

SEWER SYSTEM COMPONENTS

****From Rutland City BRF 3000(18)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing sanitary sewer and ancillary features at the locations indicated in the Plans.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Sections 604 and 628 of the Standard Specifications.

- xx. MATERIALS. Materials shall meet the requirements of Sections 604 and 628.

- xx. QUALITY CONTROL. The Contractor shall maintain tie-card showing geometries and elevation for all installed sewer and sewer services.

- xx. PERMITS. The Owner has obtained a Stream Alteration Permit and Wastewater System and Potable Water Supply Permit for the project; both are included in the Contract Documents.

- xx. SUBMITTALS.

(a) Working Drawings and Product Data Sheets.

(1) Submit six (6) sets of all product data sheets.

(2) Stream Crossing. Submit Working Drawing(s) showing proposed approach for installing pipe across Moon Brook, including staging and assembly areas.

(b) Certifications. See Subsection 700.02 and the latest Vermont Agency of Transportation Materials and Sampling Manual.

- xx. INSTALLATION. Installation shall meet the requirements of Sections 604 and 628.

- xx. TESTING. The Contractor shall conduct testing in accordance with the Contract Documents and shall record video to demonstrate that no pipe sags exist in the new sewer.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Sanitary Manhole, All-Inclusive) of the size specified to be measured for payment will be the number of units used in the complete and accepted work.

The quantity of Special Provision (Ductile Iron Pipe, Cement-Lined, All-Inclusive) of the size and type specified to be measured for payment will be the number of meters (linear feet) installed in the complete and accepted work, as measured along the flow line of the pipe.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Sanitary Sewer Manhole, All-Inclusive) of the size specified will be paid at the Contract unit price per each. Payment will be full compensation for furnishing, transporting, handling, testing, and placing the materials specified, including crushed gravel bedding, backfill, concrete, concrete risers, top sections, reinforcing steel, steps, pipe, mortar, brick, bitumastic or other watertight sealant, coatings, pipe stubs, curb board, and bituminous fillets; excavation, sheeting, bracing, other trench support, dewatering, and segregation of best excavated material for suitable backfill; excavation, stockpiling, and replacement of roadway subbase materials, stone bedding, backfill, pavement saw cut, and pavement cold plane; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

The accepted quantity of Special Provision (Ductile Iron Pipe, Cement-Lined, All-Inclusive) of the size and type specified will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for furnishing, transporting, handling, installing, and testing the materials specified, including pipe fittings, caps/plugs, bends, tees, reducers, flexible couplings, and other appurtenances; for making all necessary connections; for furnishing and placing the concrete or other materials for reaction backing or furnishing and installing tie rods, clamps, and restrained joints; excavation, sheeting, bracing, other trench support, dewatering, and segregation of best excavated material for suitable backfill; backfill, including material required to replace poor foundation material below the normal grade of the pipe; excavation, stockpiling, and replacement of roadway subbase materials, stone bedding, backfill, pavement saw cut, and pavement cold plane; trench dam construction; removal and disposal of surplus materials; laying and jointing of pipe; coordinating with Owner, utility companies, and others; utility crossings and relocations, and complete and acceptable restoration of disturbed and/or damaged utilities; complete and acceptable restoration of each work site including, but not limited to, damaged lawns, curbs, guardrail, fences, walls, and other structures, facilities, or private property damaged during construction; providing emergency response personnel, to be available 24 hours per day, for the duration of the project; repairing leaks caused by the work, temporary bridging, and keeping the surface of the street in good condition until final acceptance of the work; and for furnishing all tools, labor, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Sanitary Manhole, All-Inclusive)(X' Dia.)	Each
900.640 Special Provision (Ductile Iron Pipe, Cement-Lined, All-Inclusive)(X" Sewer)	Meter (Linear Foot)